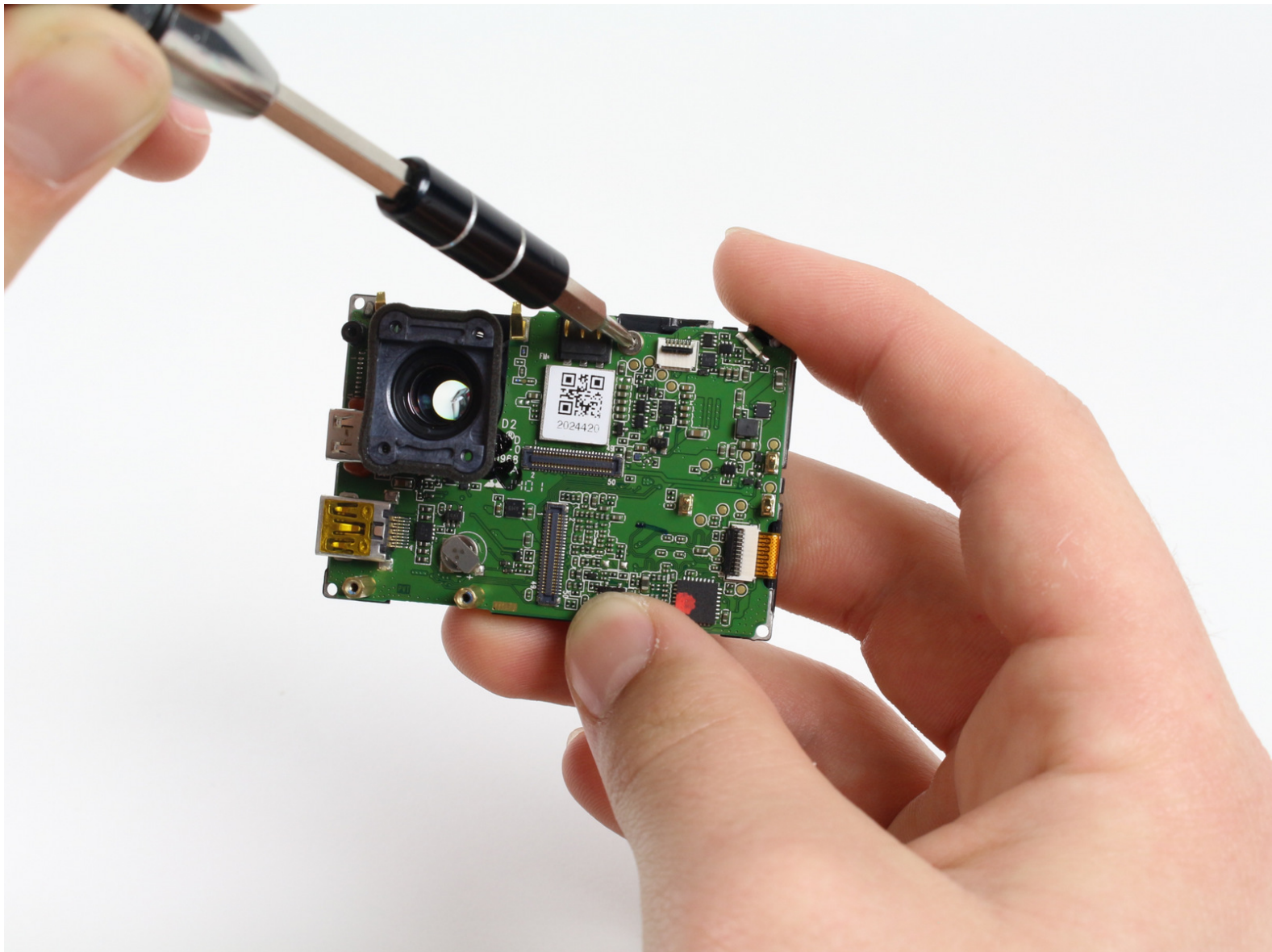




GoPro Hero 3+ Silver Edition Motherboard Replacement

This guide presents the replacement of the motherboard inside of your GoPro Hero3+ Silver Edition Camera.

Written By: Blake Ehlers



INTRODUCTION

Are the circuits of your GoPro's motherboard fried from water damage? This guide provides steps on how to replace a GoPro Hero 3+ Silver Motherboard and get your camera back in working condition.



TOOLS:

- [Tweezers](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)



PARTS:

- [GoPro Hero3 Plus Silver Front Panel](#) (1)
- [GoPro Hero3 Plus Silver Image Sensor](#) (1)
- [GoPro Hero3+ Silver Motherboard](#) (1)

Step 1 — Battery



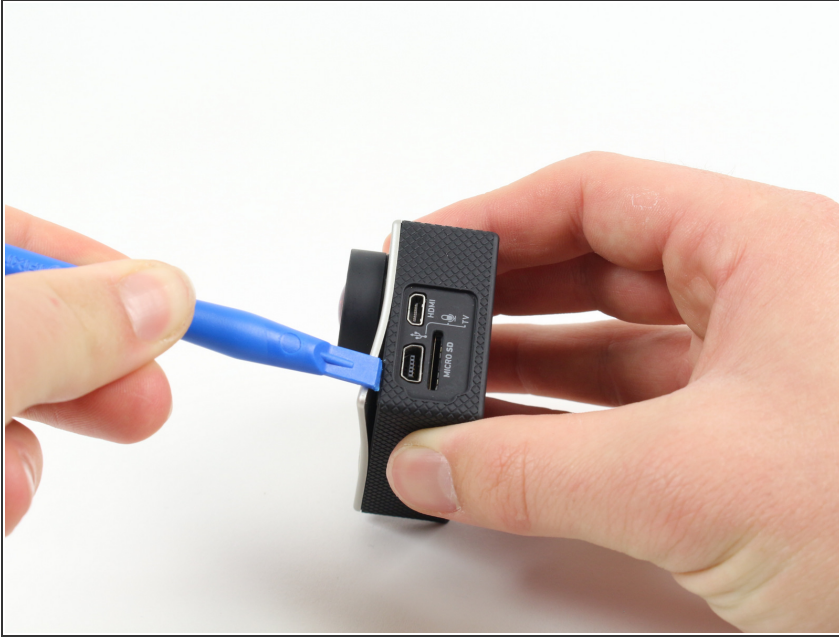
- Push the tab on the back of the device left to remove the plate covering the battery.

Step 2



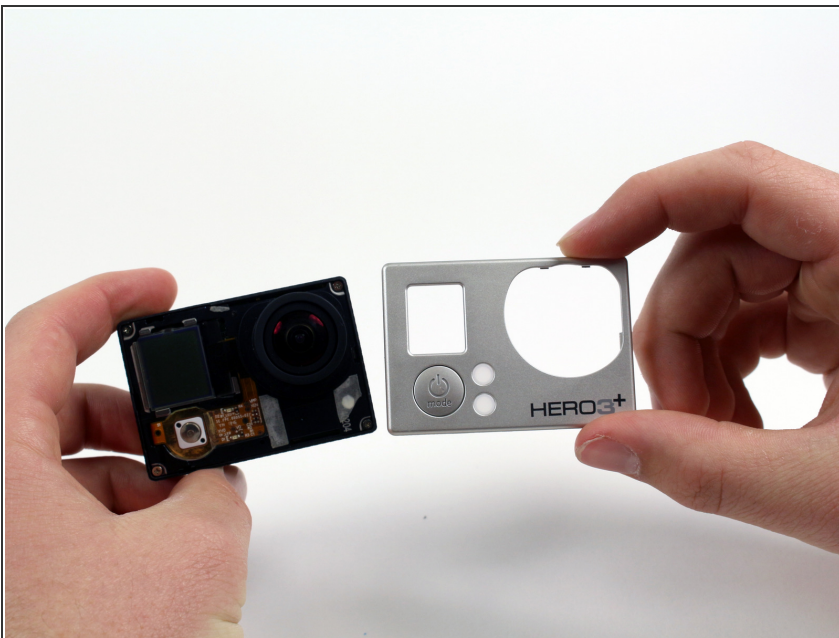
- Use the strip of tape on the battery to remove the battery from the housing.

Step 3 — Front Panel



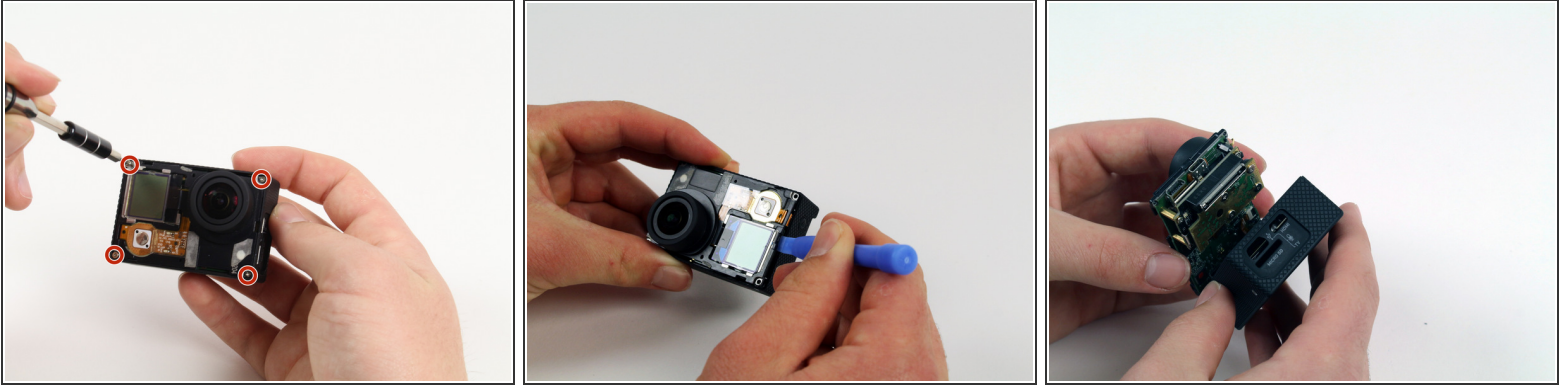
- Insert a plastic opening tool in between the front face plate and the black housing.
- ⓘ Make sure you insert the plastic opening tool next to the microSD card slot. There is a small gap that will help separate the face plate.

Step 4



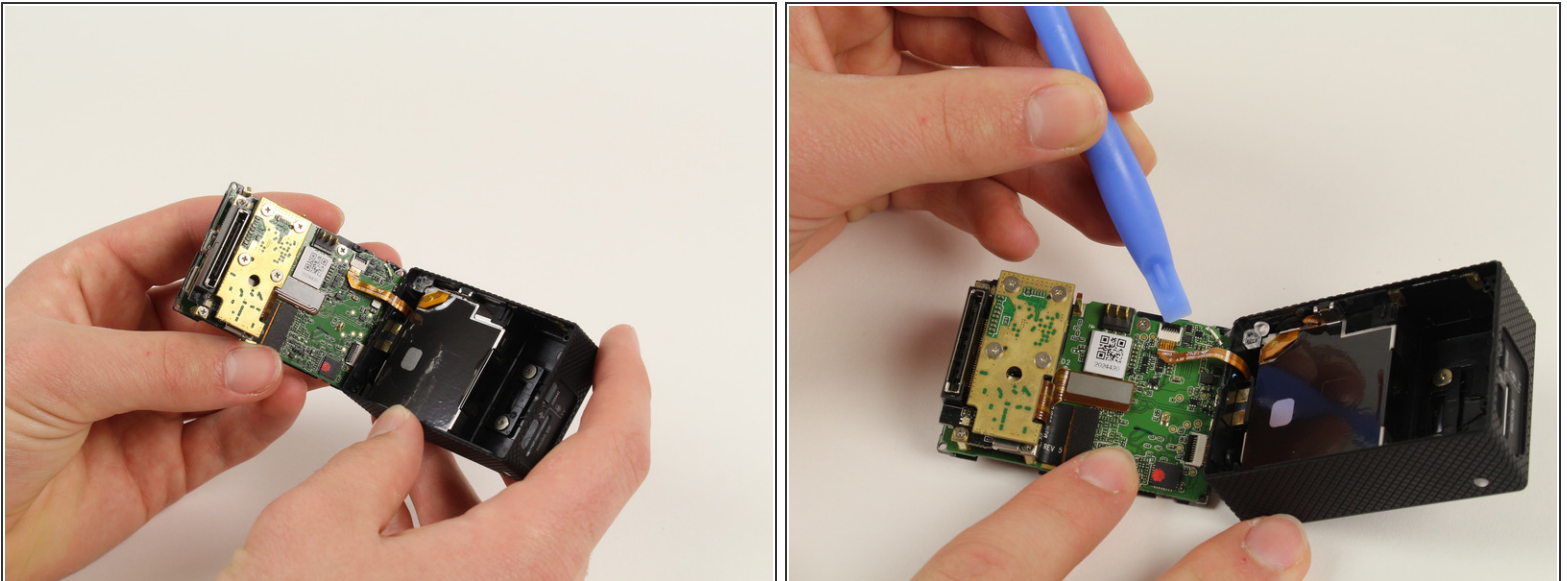
- Continue to use the plastic opening tool and separate the front face plate from the rest of the device.
- ⓘ There is adhesive that helps attach the front face plate. Some extra prying may be required to separate the face plate, but do not use excessive force.

Step 5 — Image Sensor



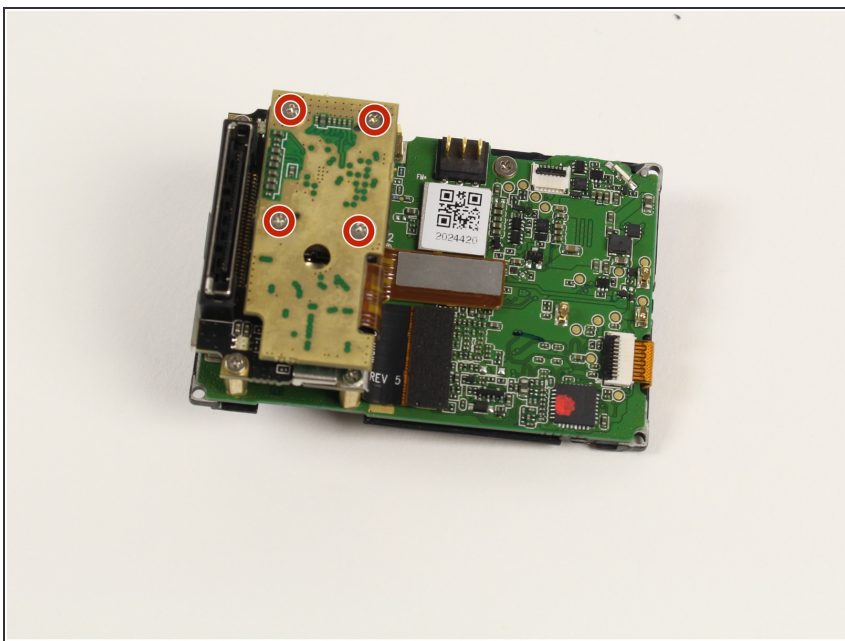
- Locate the four 8.1mm PH00 screws on the corners of the GoPro and unscrew them using the phillips screwdriver.
 - Gently remove the motherboard by using a plastic opening tool to pry it out of the housing.
- ⚠ Be careful not to damage the ribbon cable connected to the GoPro housing and motherboard.

Step 6



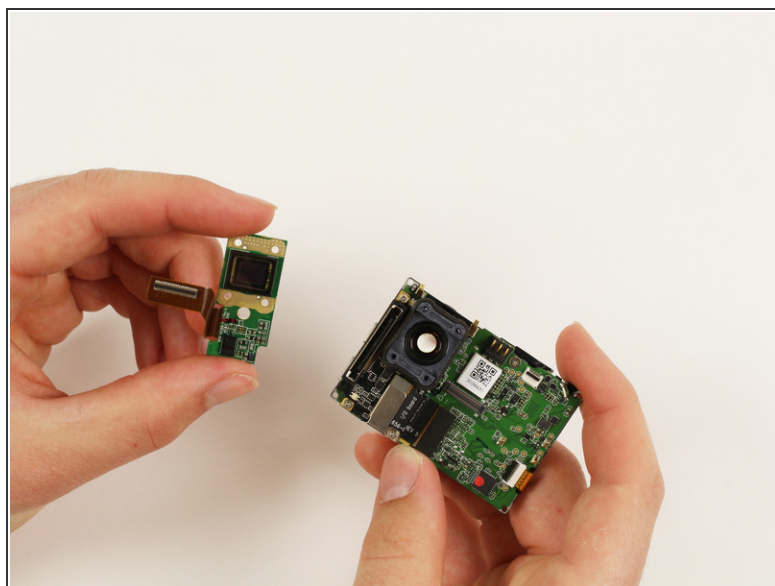
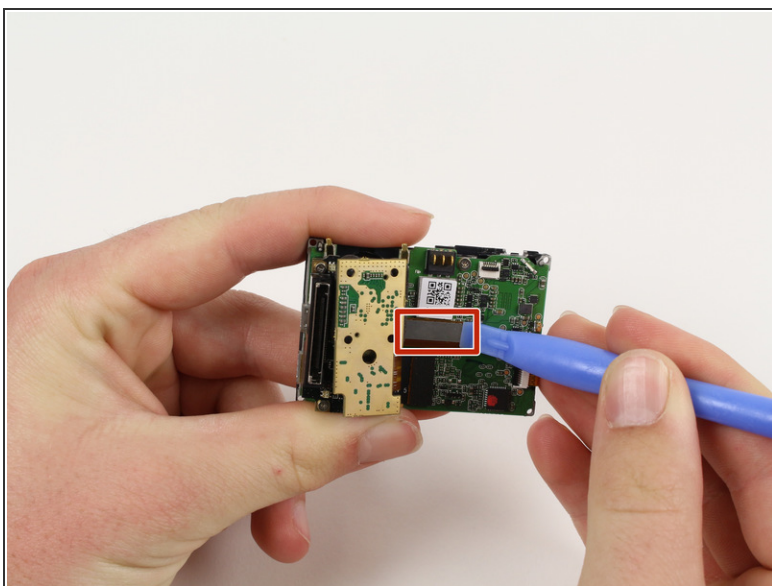
- Remove the ribbon cable by carefully flipping the black clip up with the plastic opening tool and pulling the cable out.

Step 7



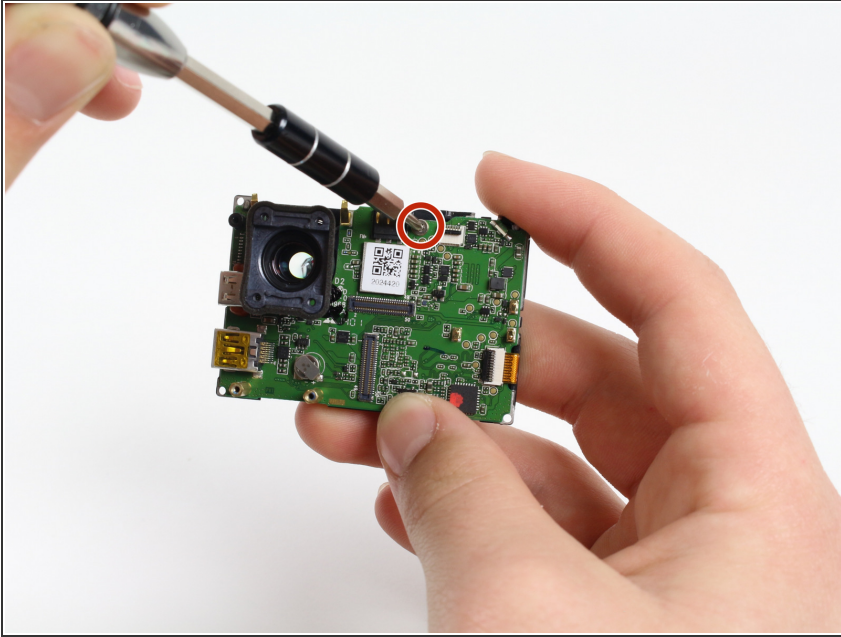
- Remove the four 4mm PH00 screws attaching the image sensor to the motherboard with your screwdriver.

Step 8



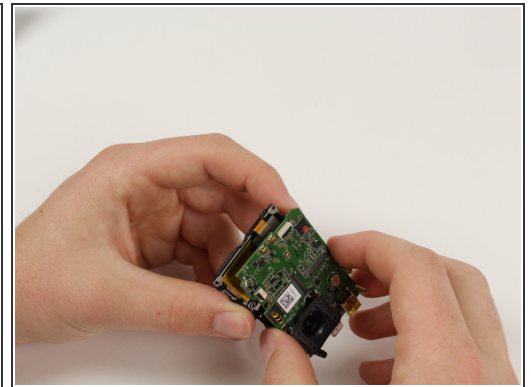
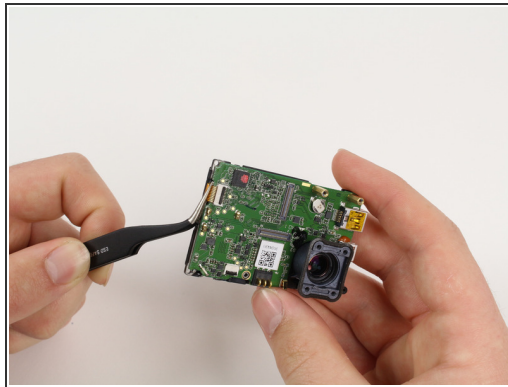
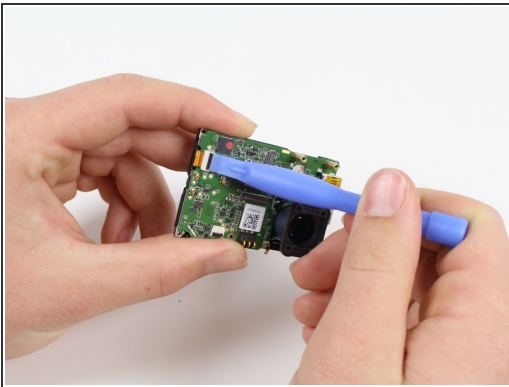
- Pry off the last ribbon cable with a plastic opening tool.
- Remove the image sensor from the motherboard.

Step 9 — Motherboard



- Remove the single 3.2mm PH00 screw with your screwdriver to detach the motherboard from the mid frame.

Step 10



- Use a plastic opening tool to gently separate the LCD ribbon cable from the motherboard.
- Gently remove the motherboard from the midframe using tweezers.



Remove motherboard by lifting from the edges. This will reduce the chance of damaging components on the motherboard.

To reassemble your device, follow these instructions in reverse order.

